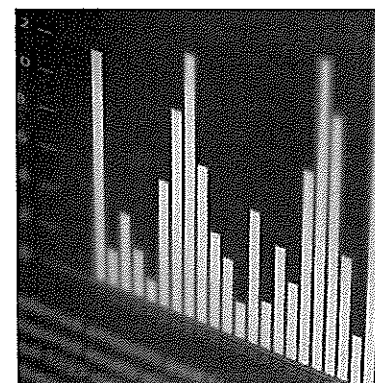
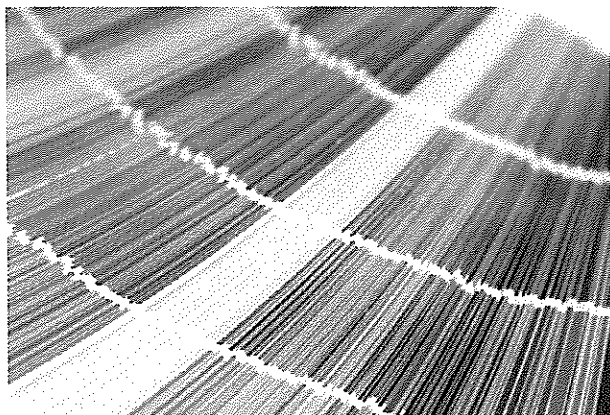
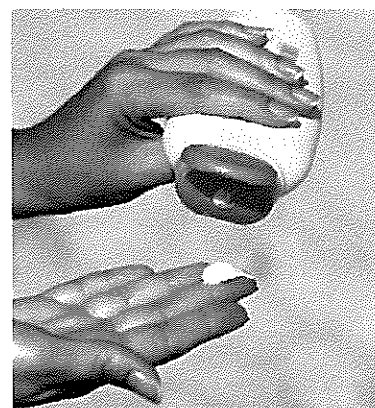
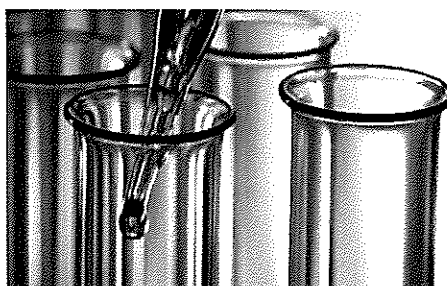
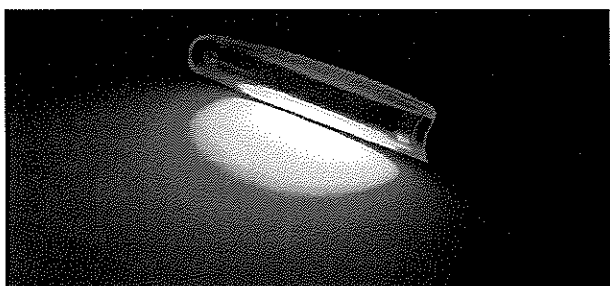


ULTRAVIOLET LIGHT for precision research



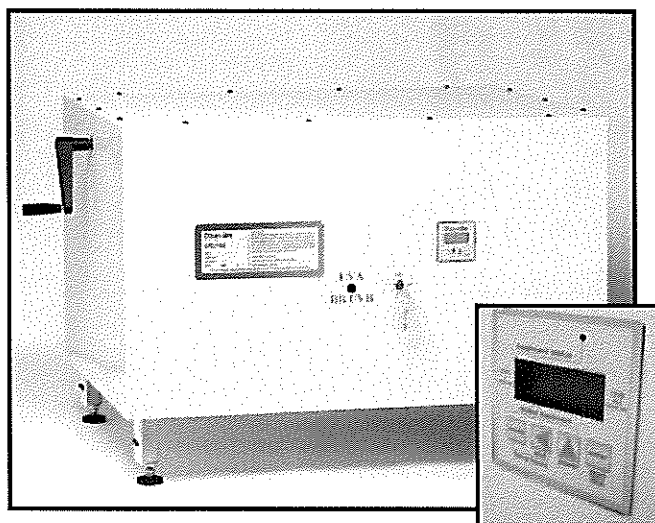
Daavlin's research irradiators are manufactured to provide a concentrated ultraviolet light source and are designed to easily accommodate a wide range of subjects, from small cell cultures up to medium-sized live animal models. This type of unit is an important tool in all types of UV and visible light research and testing. These UV Research Irradiators can be manufactured with either 24" (61 cm) or 48" (122 cm) (approx.) lamps. Available lamp types are UVA, Narrow Band UVB, or BroadBand UVB. Combination units using any two types of lamps are available as well, which allows for the setup of solar simulation experiments. Lamps of other wave ranges are also available upon request.

Daavlin's research irradiators are equipped with a sophisticated integrated dosimetry metering system called Flex Dosimetry which delivers the desired light dose with consistency and accuracy. Incorporating wavelength specific UV sensors to constantly monitor the lamps, Flex Dosimetry automatically compensates for any fluctuation in UV output from the device, ensuring consistent experimental conditions.

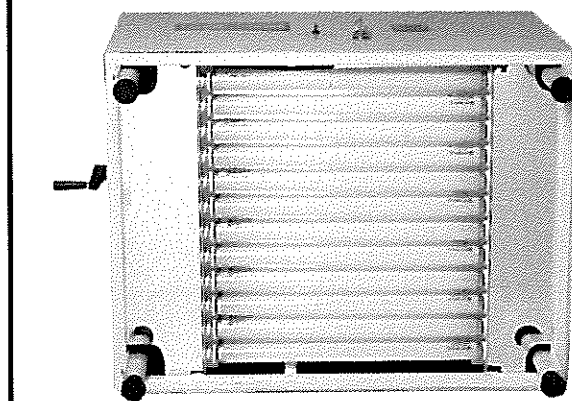
DIMENSIONS

24" unit - 36" (91.5 cm) long x 27 1/4" (69 cm) wide x 25" (63.5 cm) high
48" unit - 52" (132 cm) long x 27 1/4" (69 cm) wide x 25" (63.5 cm) high

The usable radiation area beneath the lamps is approximately
20" x 26" on the 24" unit and 40" x 26" on the 48" unit.



Bottom View



HEIGHT ADJUSTING LEGS

- The height from the irradiating surface to the lamps can be adjusted from 6" to 18" using hydraulic legs and a manual crank. An optional metal cart with castors allows the irradiating surface to be at a comfortable working height.

IRRADIANCE METER

- Our Flex Dosimetry system is calibrated at the distance you specify. If the height-adjustable legs are being used to vary the distance from the lamps to the subject being treated, the dosimetry system will require recalibration using our hand held UV meter.

UV BLOCKING CURTAIN

- A specially designed UV blocking curtain is used to prevent UV from radiating beyond the exposure area. It is attached with Velcro and adjusts in height along with the unit, providing both operator safety and simplified laboratory setup.

